

FIG. 2A

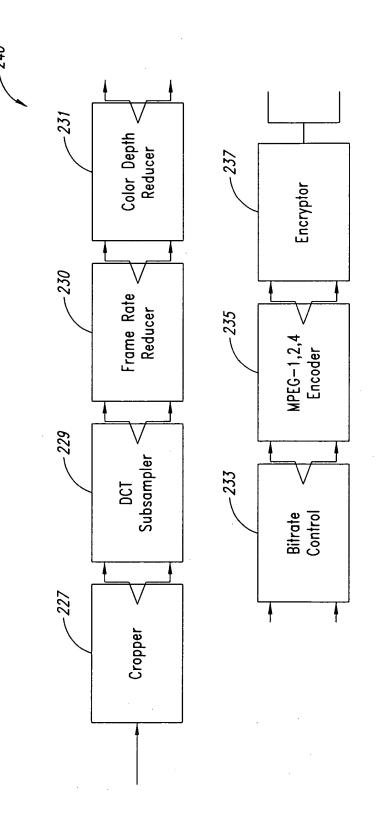


FIG. 2B

Serial No. 09/539,193 Docket No. 930114.407 Inventor(s): Roger K. Brooks et al. Express Mail No. EV447227710US "REPLACEMENT SHEET"

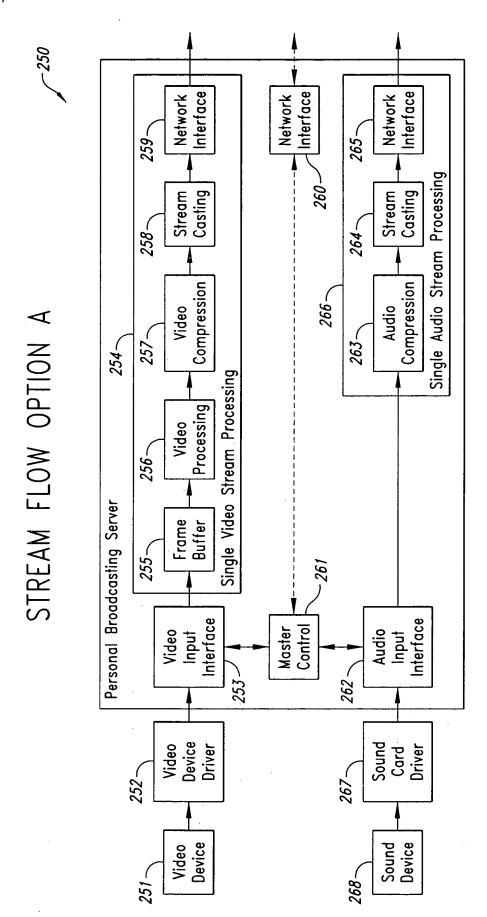


FIG. 20

 \Box

STREAM FLOW OPTION

Network Interface Single Audio Stream Processing Stream Casting Stream Casting Audio Compression Compression Video Stream Processing Processing Video Single Video Personal Broadcasting Server Frame Buffer Audio Input Interface Interface Video Input Master Control Video Device Driver Sound Card Driver Video Device Sound Device

FIG. 2D

Interface Network Stream Casting Single Audio Stream Processing A Mu× Mu× Audio Compression Compression STREAM FLOW OPTION C Video Stream Processing Video Processing Personal Broadcasting Server Single Video Frame Buffer Interface Interface Master Control Video Input Audio Input Video Device Driver Sound Card Driver Video Device Sound Device

FIG. 2E

PERSONAL BROADCASTING PROCESS

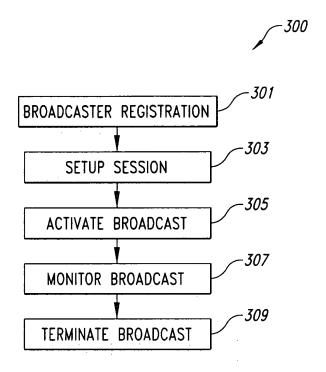


FIG. 3

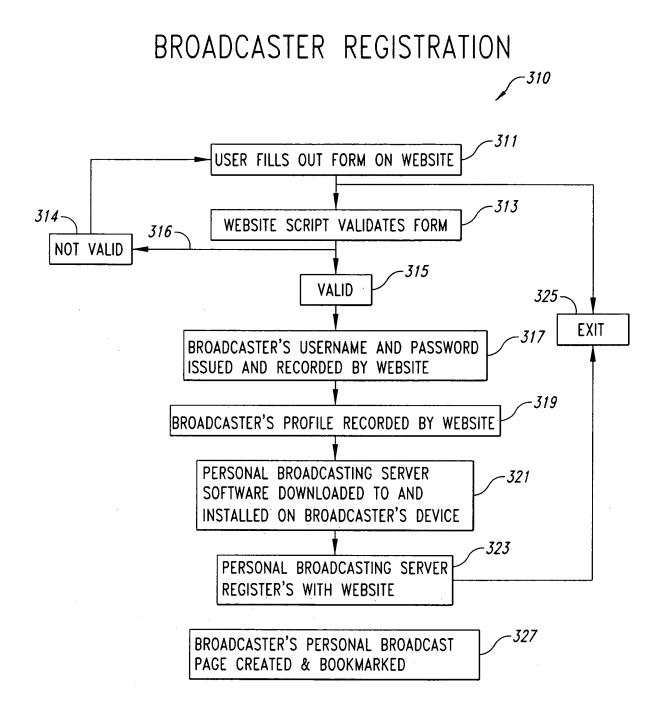


FIG. 3A

SETUP BROADCASTING SESSION

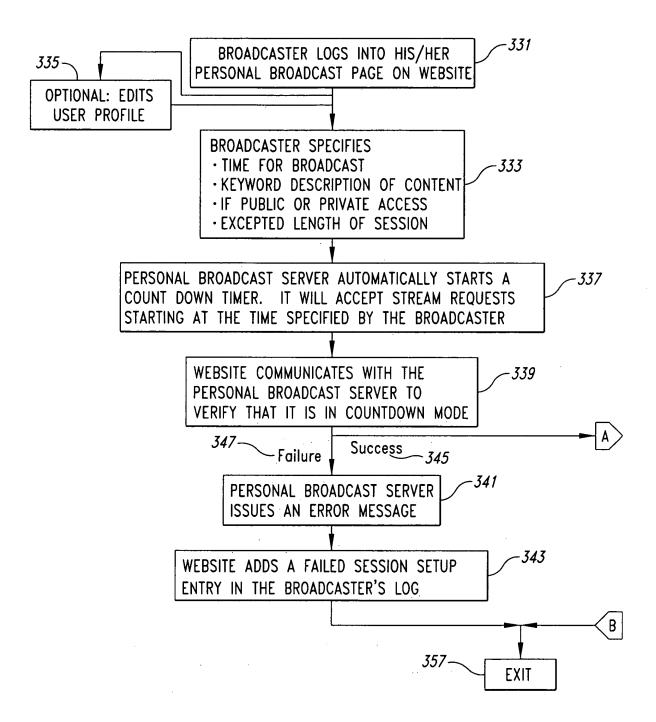
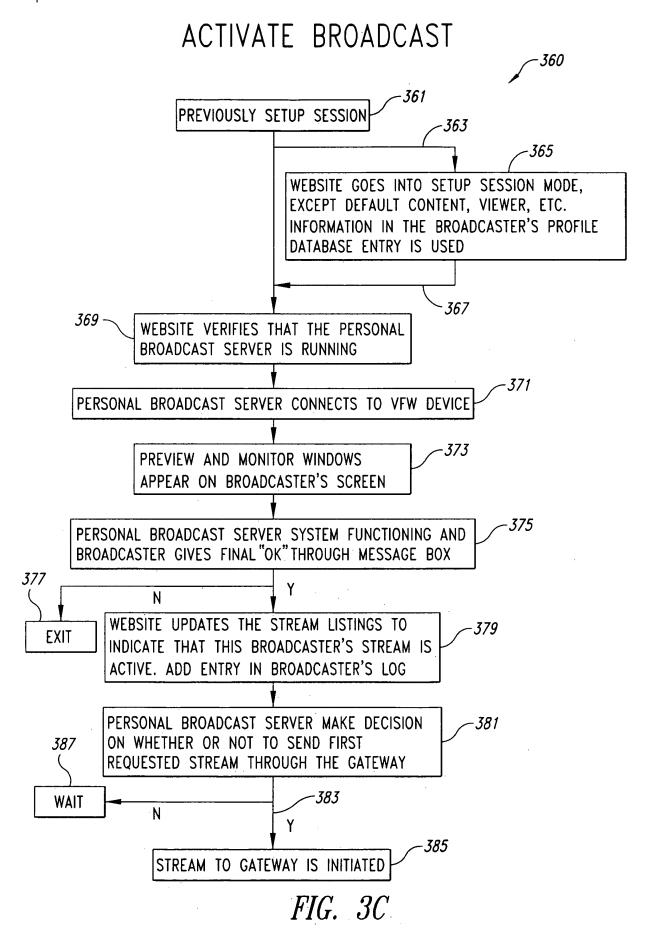


FIG. 3B-1

· WEBSITE ENTERS STREAM INFORMATION INTO DATABASE AND UPDATES STREAM LISTING · WEBSITE SCRIPT SELECTS A LIST OF ADVERTISEMENTS WHICH MATCH BROADCASTER'S CONTENT KEYWORDS: THESE WILL BE USED AS BANNER ADS AND COMMERCIALS DURING PUBLIC 349 **STREAMING** · WEBSITE SCRIPTS SELECTS A LIST OF ADVERTISEMENTS WHICH MATCH EITHER BROADCASTER'S CONTENT KEYWORDS OR EACH LISTED PRIVATE VIEWER'S PROFILE; THESE WILL BE USED AS BANNER ADS AND COMMERCIALS DURING STREAM TO EACH PRIVATE VIEWER WEBSITE SCRIPT SENDS IMMEDIATE MESSAGE 351 TO VIEWERS ON IMMEDIATE MESSAGE LIST IN BROADCASTER'S PROFILE WEBSITE SCRIPT SENDS EMAILS 353 TO EMAIL NOTIFICATION LIST IN BROADCASTER'S PROFILE WEBSITE ADDS A SESSION SETUP ENTRY IN THE BROADCASTER'S LOG



TERMINATE BROADCAST

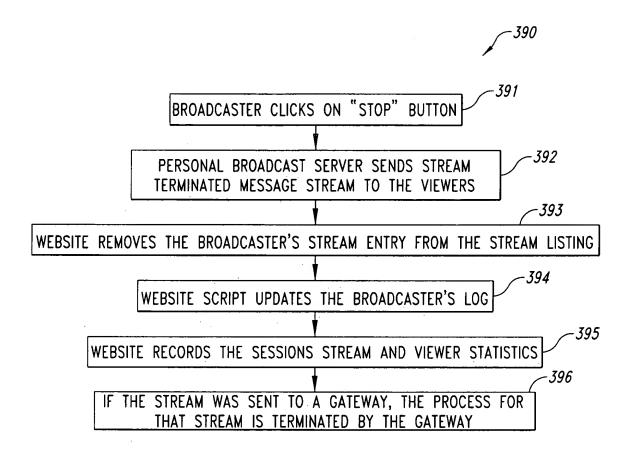


FIG. 3D

VIEWING PROCESS

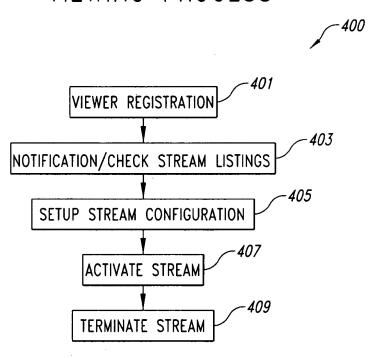


FIG. 4

VIEWER REGISTRATION

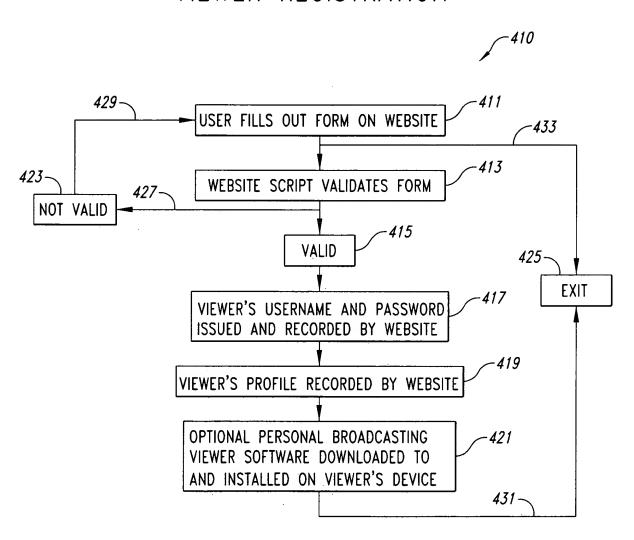


FIG. 4A

SETUP STREAM CONFIGURATION

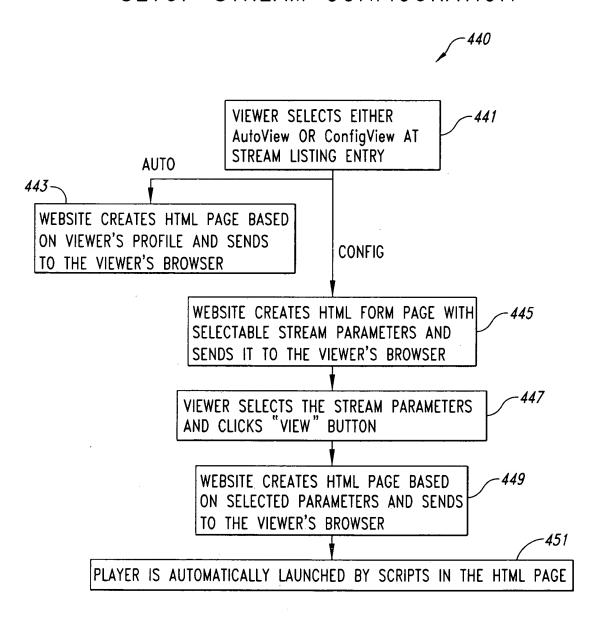


FIG. 4B



Resolution = Desplay

Player	ProtocolType	501
LuxPlayer	RTP	
Others	TCP	

- 500

DeviceType	ColorDepth	502
CellPhone	1 bit	
PDA	2bit	
WinCE	4bit	
PC	24bits	

QoS Bandwidth	FrameRate	503
14.4kbps	1fps	
28.8kbps	2fps	
33.6kbps	4fps	
128kbps	8fps	
324kbps	15fps	
>324kbps	30fps	

Player	ColorDepth	Processor	StreamFormat
Browser	1bit, 2bits	ANY	MotionGIF
Browser	>2bits	ANY	MotionJPEG
ANY	1bit, 2bits	<266MHz	MotionGIF
ANY	>2bits	<266MHz	MotionJPEG
Otherwise			MPEG/MP3 audio

FIG. 5

Client Mobile Device Capability:

DeviceType	Processor	OS	Player	Display	Bandwidth
PDA	16bit	Palm0S	Browser (no javascript) (no audio)	160x120	14kbps

Map to internal structure:

StreamFormat	Resolution	ColorDepth	FrameRate	ProtocolType
MotionGIF	160x120	2bi t	1fps	ТСР

FIG. 6

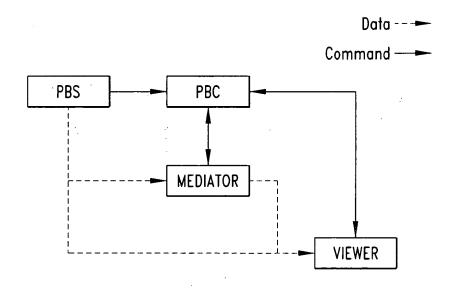


FIG. 7

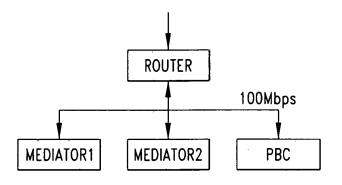


FIG. 8

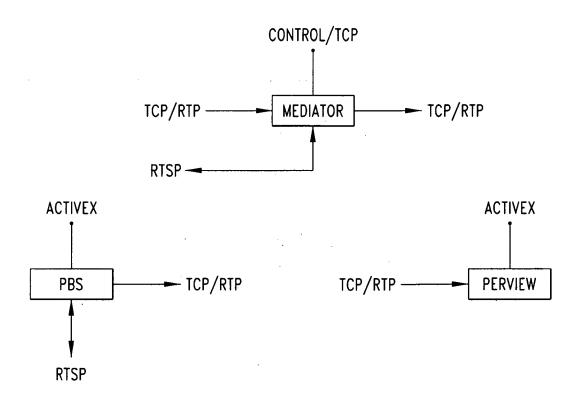


FIG. 9